

48" CORRUGATED

35" CORRUGATED

RIBBED EMBOSSED SIDING

INDUSTRIAL FLASHING

DRAINAGE MATERIAL

REYNOLDS

LIFETIME

ALUMINUM

industrial

building

products



REYNOLDS METALS COMPANY • BUILDING PRODUCTS DIVISION • LOUISVILLE 1, KY.

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A. I. A. FILE No. 12-C

REYNOLDS *Lifetime* ALUMINUM INDUSTRIAL BUILDING PRODUCTS

**. . . low in cost
. . . long in service**

RIBBED EMBOSSSED SIDING

USES These aluminum industrial building products are designed for use on industrial plants, commercial and public buildings. Typical uses are for power plants, conveyor housing, mine heads, warehouses, loading docks, armories, grandstands, hangars, and bus and railroad terminals.

Restaurants, super-markets, filling stations are also using aluminum ribbed embossed siding and industrial corrugated roofing and siding for both interiors and exteriors because of the clean, modern appearance and freedom from maintenance which these products offer. Aluminum roof drainage materials and industrial flashing are used both with aluminum roofing and siding and with other materials.

INDUSTRIAL CORRUGATED ROOFING AND SIDING

ADVANTAGES Economical. Reynolds *Lifetime* Aluminum Industrial Building Products are low in first cost, require minimum maintenance and retain an attractive appearance throughout their long life.

Low Maintenance. Since aluminum does not rust, has no coating to crack or flake and requires no painting for weather protection, aluminum industrial building products eliminate the usual maintenance problems.

Strength. A carefully selected combination of alloy, temper and design results in products engineered to meet the performance requirements of modern construction. Aluminum is not subject to breakage, is not shattered by impact and has no coating to be damaged during or after installation.

Insulation. Aluminum reflects radiant heat. It can reduce summer interior temperatures. Where summer heat impairs workers efficiency, aluminum roofing and siding can boost output and improve quality to increase profits.

Modern Appearance. Clean, orderly, efficient appearance improves property values and is a mark of quality in industrial construction. Replace existing roofing and siding with aluminum to modernize buildings and extend their useful life.

Fire-Resistant. Aluminum will not support combustion and offers protection against flying brands.

Easy to Install. Light weight but strong aluminum industrial building materials offer savings in labor, scaffolding and equipment.

INDUSTRIAL ROOF DRAINAGE MATERIAL

INDUSTRIAL FLASHING

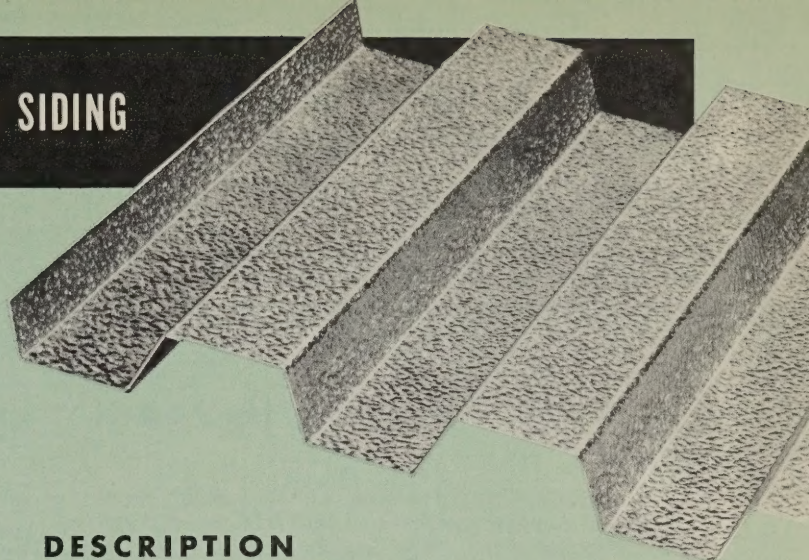
REYNOLDS ALUMINUM RIBBED EMBOSSED SIDING

...IMPROVES BUILDING APPEARANCE!

...LENGTHENS BUILDING LIFE!

Here's the modern industrial siding with the strong, clean-cut vertical lines—the siding that adds the quality look to any industrial or commercial building. Even more important, it offers all the advantages of aluminum. It minimizes maintenance, and assures a lifetime of service. Reynolds Ribbed Embossed Industrial Siding is a mark of functional, progressive plant design wherever it is used. What's more, its careful engineering and versatile design gives it a wide range of uses on many types of buildings.

In addition to its widespread popularity in new construction, aluminum ribbed embossed siding may be used to modernize existing structures. Here, it not only improves appearance, but it can actually save remodeling costs—and will materially extend the useful life of the building.



DESCRIPTION

Ribbed Embossed Siding is made from embossed aluminum sheet, .032" thick, formed into a ribbed design. It offers the advantages of industrial corrugated siding plus added architectural beauty. Low initial cost, long life and maintenance savings make this material the first choice for modern buildings.

DATA

METAL THICKNESS: .032 inch (20 B & S Ga.) Stipple embossed finish.

LENGTHS: 5', 5'6", 6', 6'6", 7', 7'6", 8', 8'6", 9', 9'6", 10', 10'6", 11', 11'6", 12', 12'6", 13', 13'6", 14'0", 14'6".

(Special lengths cut to order subject to inquiry.)

WIDTH: Overall width 33 3/8", nominal coverage 32".

RIBS: Pitch 4" center to center, depth 1".

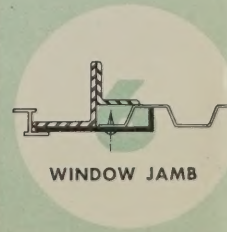
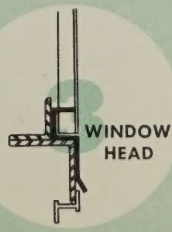
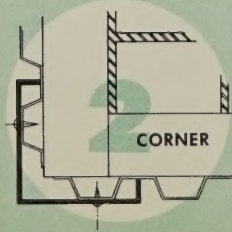
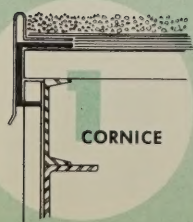
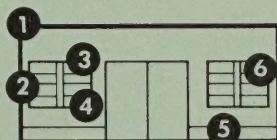
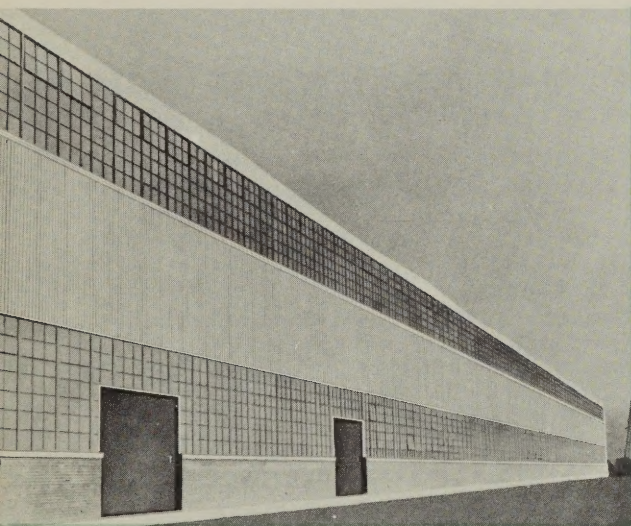
WEIGHT: 59 pounds per 100 square feet of formed sheet.

MAXIMUM GIRT SPACING, CENTER TO CENTER, FOR SHEET CONTINUOUS OVER TWO SPANS

Girt Spacing (inches)	78	69	65	63	61	59	57
Uniform Load (lbs. per sq. ft.)	30	35	40	45	50	55	60
Equivalent wind velocity (m.p.h.)	87	93	100	106	110	117	123

When compared to the load-carrying capacity of the sheet, the recommended loads provide a minimum safety factor of two.

SPECIFICATIONS ON BACK COVER



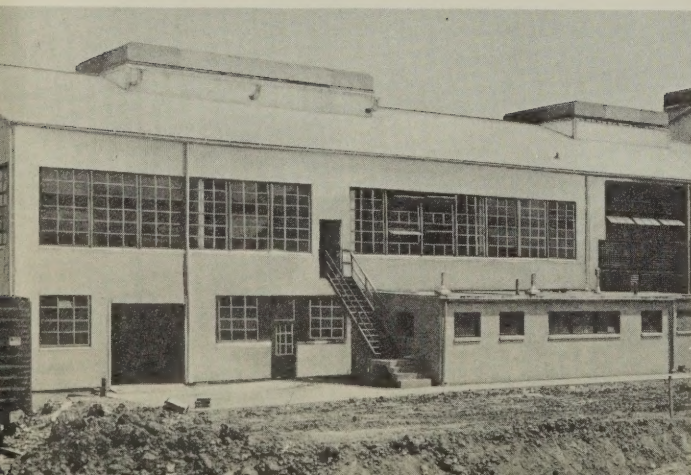
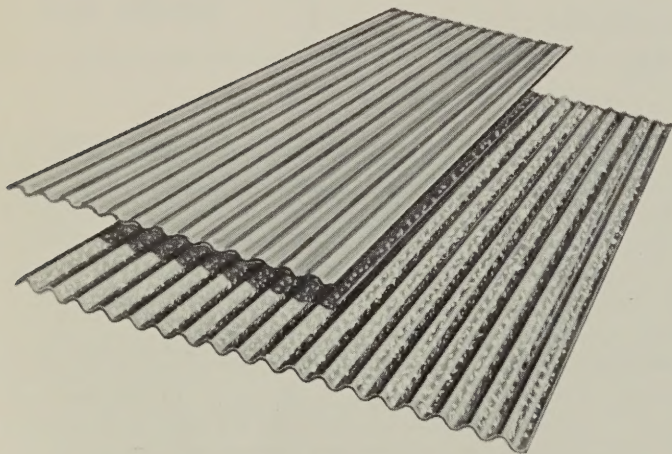
REYNOLDS ALUMINUM INDUSTRIAL CORRUGATED ROOFING AND SIDING

...Costs less installed

...Costs less over the years

Today's industrial buildings call for building products that combine low first cost with economical, long-term service. That's why more and more industrial builders everywhere are specifying Reynolds Industrial Corrugated Roofing and Siding. These strong, light corrugated aluminum sheets cost less to apply because they're so easy to handle. Best of all, because they're aluminum, maintenance costs are virtually eliminated.

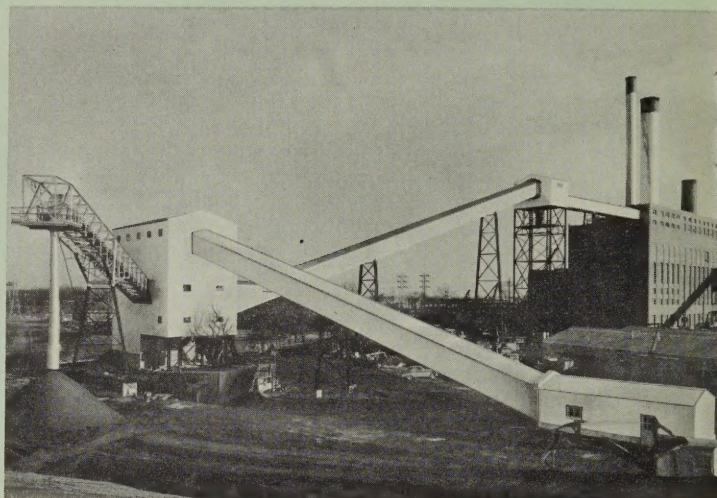
Reynolds Industrial Corrugated is available in two widths and finishes—35" wide mill finish, and 48" wide embossed. Both meet every industrial construction requirement for application and performance.



35" INDUSTRIAL CORRUGATED ROOFING

DESCRIPTION

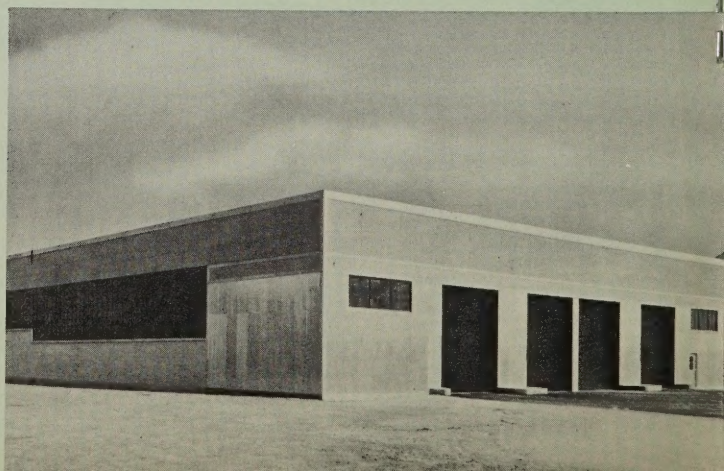
35" wide Industrial Corrugated Roofing and Siding is formed from mill finish aluminum sheet, .032" thick, offering premium performance at low cost for most roofing and siding uses. Its special values are unmatched by any other type of industrial building material performing similar functions.



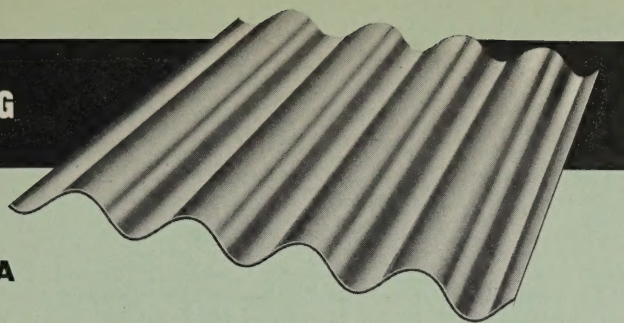
48" ALUMINUM INDUSTRIAL CORRUGATED ROOFING

DESCRIPTION

48" wide Industrial Corrugated Roofing and Siding is formed from embossed aluminum sheet, .032" thick. Its 37% greater width means 30% fewer side laps . . . 30% fewer side lap fasteners . . . 30% fewer sheets to handle . . . and less actual metal required. Builders enjoy easier, faster



AND SIDING



DATA

METAL THICKNESS: .032" (20 B & S Ga.) Mill finish.

LENGTHS: 5', 5'6", 6', 6'6", 7', 7'6", 8', 8'6", 9', 9'6", 10', 10'6", 11', 11'6", 12'.

(Special lengths cut to order subject to inquiry.)

WIDTH: Overall width 35", nominal coverage 32", 1½ corrugations side lap.

CORRUGATIONS: Pitch 2.667" center to center, depth ⅞", 13 crowns, 13 valleys, one edge up, opposite edge down.

WEIGHT: 56 pounds per 100 square feet of formed sheet.

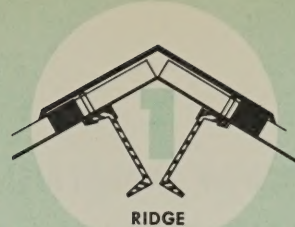
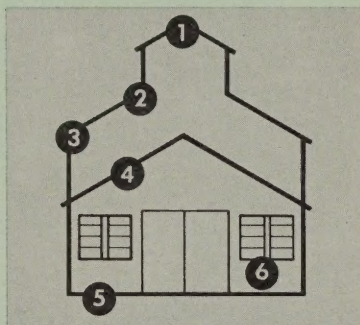
CURVED SHEETS: Available on request. Minimum sheet length 6'. Maximum sheet length 12'. Minimum radius of curvature 30'.

MAXIMUM SUPPORT SPACING, CENTER TO CENTER, FOR SHEET CONTINUOUS OVER TWO SPANS

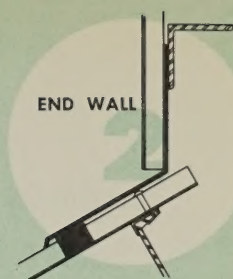
Purlin spacing (inches)	72	69	66	63	60
Safe Uniform Load (lbs. per sq. ft.)	30	35	40	45	50

When compared to the load-carrying capacity of the sheet, the recommended loads provide a minimum safety factor of two.

SPECIFICATIONS ON BACK COVER



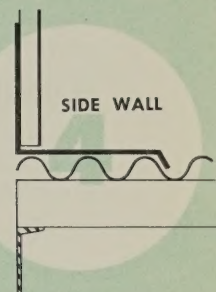
RIDGE



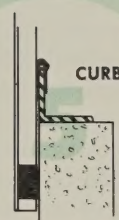
END WALL



EAVE



SIDE WALL

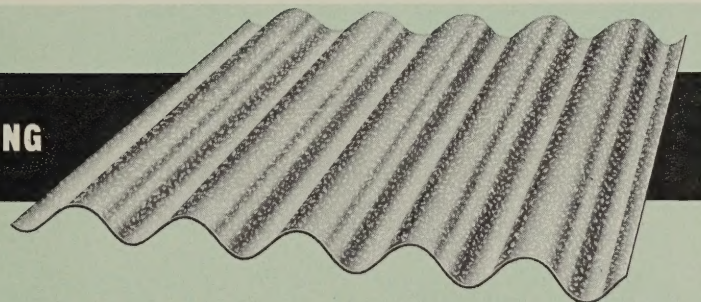


CURB



WINDOW SILL

G AND SIDING



application and lower installed cost on every job. In addition, these new sheets are embossed for greater beauty and to help minimize marks which may be acquired in handling or erection.

DATA

METAL THICKNESS: .032" (20 B & S Ga.) Embossed finish.

LENGTHS: 5', 5'6", 6', 6'6", 7', 7'6", 8', 8'6", 9', 9'6", 10', 10'6", 11', 11'6", 12'.

(Special lengths cut to order, subject to inquiry.)

WIDTH: Over-all width 48½", nominal coverage 45⅓", 1½ corrugations side lap.

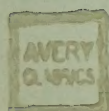
CORRUGATION: Pitch 2.667" center to center, depth ⅞", 18 crowns, 18 valleys, one edge up, opposite edge down.

WEIGHT: 56 pounds per 100 square feet of formed sheet.

MAXIMUM SUPPORT SPACING, CENTER TO CENTER, FOR SHEET CONTINUOUS OVER TWO SPANS

Purlin spacing (inches)	72	69	66	63	60
Safe Uniform Load (lbs. per sq. ft.)	30	35	40	45	50

When compared to the load-carrying capacity of the sheet, the recommended loads provide a minimum safety factor of two.



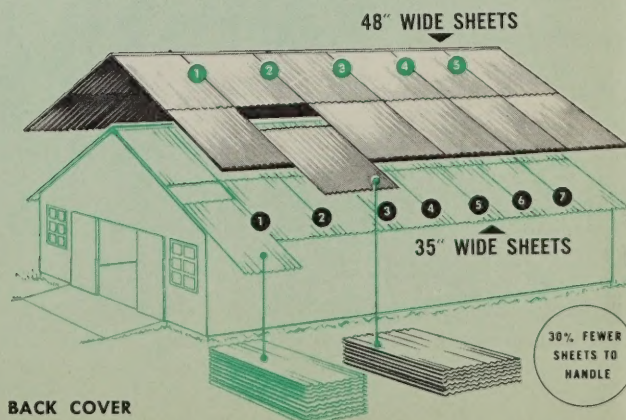
SPECIFICATIONS ON BACK COVER

MORE ROOF FOR THE MONEY SIDE LAPS REDUCED 30%

Because the sheets are wider, fewer side laps are required. With 35" sheet, 8.6% of sheet area is used in side laps. But with the new Reynolds 48" roofing, the side lap is reduced to 6.2%—a saving of 30% on coverage ordinarily used in side laps.

SAVE ON FASTENERS

Since there are fewer sheets to install with Reynolds 48" Industrial Corrugated, 30% fewer side lap fasteners are required. This adds up to real savings in material, time and labor—helps cut installation cost to a minimum.



30% FEWER SHEETS TO HANDLE

REYNOLDS ALUMINUM INDUSTRIAL ROOF DRAINAGE MATERIAL

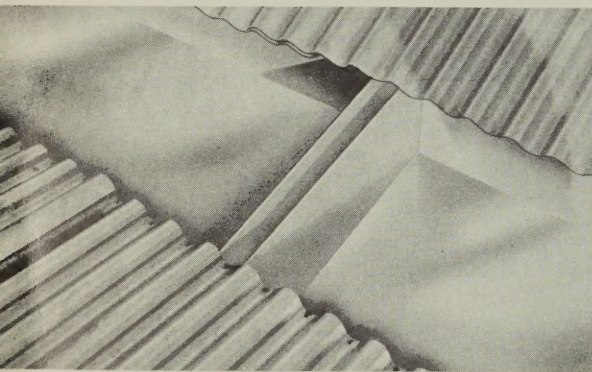
REYNOLDS

ALUMINUM INDUSTRIAL FLASHING

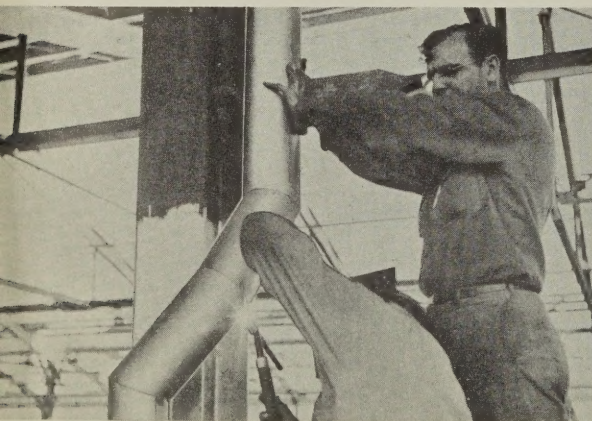
... cost less to install

... cost nothing for upkeep

Roof drainage material and flashing are important parts of every building—and these two Reynolds aluminum building products assure maximum trouble-free performance, with minimum installation and maintenance expense. Because aluminum is easily formed and cut, they save time, work and money during fabrication. Because aluminum is rustproof and has no coating to crack or flake, both deliver a lifetime of service and practically eliminate upkeep. These products should always be used with aluminum roofing and siding . . . and whenever you want rustproof, maintenance-free service.



TYPICAL EXPANSION JOINT WITH COVER REMOVED



FINAL ASSEMBLY OF CONDUCTOR PIPE BY WELDING

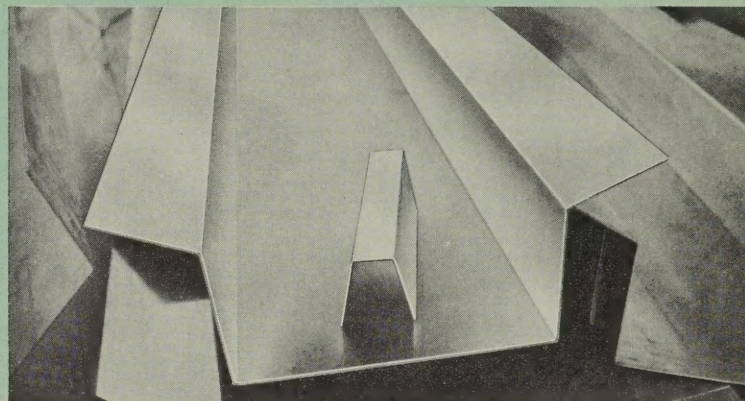
INDUSTRIAL ROOF DRAINAGE MA

DESCRIPTION

Industrial Roof Drainage Material is mill finish aluminum .032" to .188" thick of alloy selected to offer the desired strength combined with maximum formability and resistance to corrosion. It is available in unformed flat sheets ready for fabrication at the job site. Careful engineering makes this product suitable for a wide range of uses both in new construction and in repairing present facilities.

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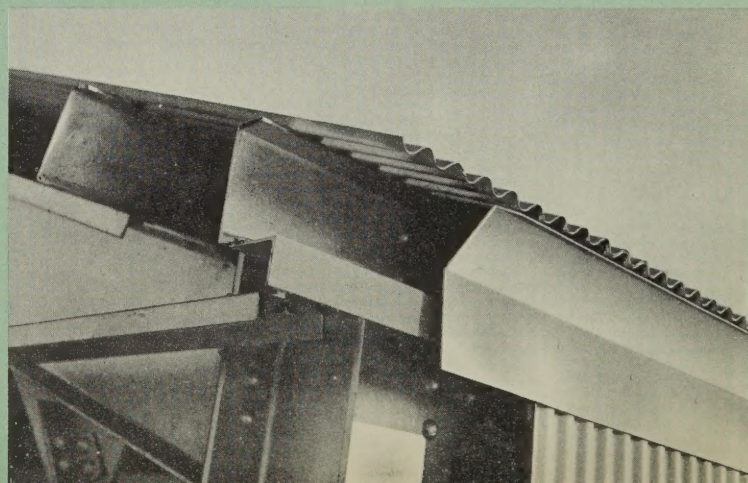
METAL THICKNESS: .032", .040", .051", .064", .081", .091", .125", .188".
LENGTHS: 96", 120", 144".
Widths: 36", 48"

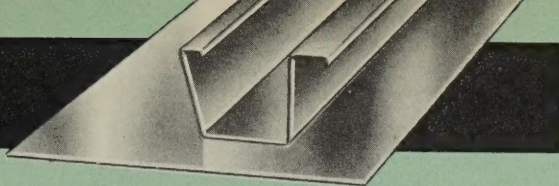


INDUSTRIAL FLASHING

DESCRIPTION

Industrial Flashing is mill finish aluminum .032" thick, of an alloy selected to offer the desired strength combined with optimum corrosion resistance and formability. Each sheet will give the full measure of quality that you can expect from Reynolds Aluminum, insuring industrial flashing that will meet the highest standards of performance.





Thickness of aluminum required for eave gutters continuously supported on one side.

MAXIMUM LIVE LOAD		MAXIMUM WIDTH OF GUTTER—Inches				
Lbs. per Sq. In.	Depth of Water in In.	6	7	8	9	10
.1	2.77	.032"	.040"	.051"	.051"	.064"
.2	5.54	.051"	.064"	.064"	.081"	.081"
.3	8.31	.064"	.064"	.081"	.091"	.091"
.4	11.08	.064"	.081"	.091"	.125"	.125"
.5	13.85	.081"	.091"	.125"	.125"	.125"
.6	16.62	.081"	.091"	.125"	.125"	.188"
.7	19.39	.091"	.125"	.125"	.188"	.188"
.8	22.16	.091"	.125"	.125"	.188"	.188"
.9	24.93	.125"	.125"	.188"	.188"	.188"
1.0	27.70	.125"	.125"	.188"	.188"	.188"

Thickness of aluminum required for valley gutter continuously supported on both sides.

MAXIMUM LIVE LOAD		MAXIMUM WIDTH OF GUTTER—Inches									
Lbs. per Sq. In.	Depth of Water in In.	10	12	14	16	18	20	22	24	26	28
.1	2.77	.032"	.032"	.040"	.051"	.051"	.064"	.064"	.064"	.081"	.081"
.2	5.54	.040"	.051"	.064"	.064"	.081"	.081"	.091"	.091"	.125"	.125"
.3	8.31	.051"	.064"	.064"	.081"	.091"	.091"	.125"	.125"	.125"	.188"
.4	11.08	.064"	.064"	.081"	.091"	.125"	.125"	.125"	.188"	.188"	.188"
.5	13.85	.064"	.081"	.091"	.125"	.125"	.125"	.188"	.188"	.188"	.188"
.6	16.62	.081"	.081"	.091"	.125"	.125"	.188"	.188"	.188"	.188"	
.7	19.39	.081"	.091"	.125"	.125"	.188"	.188"	.188"	.188"		
.8	22.16	.081"	.091"	.125"	.125"	.188"	.188"	.188"			
.9	24.93	.091"	.125"	.125"	.188"	.188"	.188"				
1.0	27.70	.091"	.125"	.125"	.188"	.188"	.188"				

SPECIFICATIONS

This specification is submitted as a guide in the selection and application of aluminum industrial roof drainage material. Modifications which do not impair quality or workmanship may be made at the discretion of the architect, after consultation with and approval of Reynolds Metals Company.

Work Included. Furnish and apply aluminum industrial roof drainage material as supplied by Reynolds Metals Company. Fabricate and apply in a manner which complies with specifications of the architect.

Work Not Included But Essential to Application. Furnish aluminum-pigmented asphalt paint and coat all steel and masonry surfaces contacting the aluminum.

Material. Industrial roof drainage material shall be fabricated from .032" to .188" nominal thickness aluminum alloy of uniform quality, free from harmful defects, and meeting the pertinent specifications of Reynolds Metals Company as to dimensions and workmanship.

General. Handling, storage, fabrication and application of industrial roof drainage material shall conform to the instructions supplied by Reynolds Metals Company.

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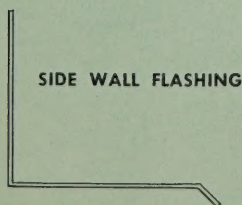
METAL THICKNESS: .032" (20 B & S Ga.)

SHEETS AVAILABLE: 36" wide x 120" long, mill finish; 28" wide x 120" long, mill finish; 36" wide x 120" long, embossed.

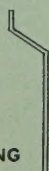
COILS AVAILABLE: 14" wide x 186' long, embossed.

WEIGHT: 45.6 pounds per 100 square feet.

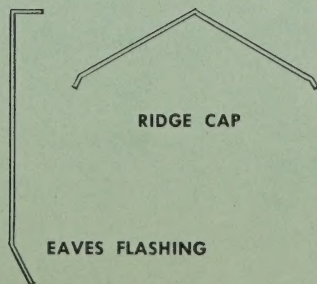
TYPICAL FLASHING CROSS SECTIONS



SIDE WALL FLASHING



WINDOW FLASHING



RIDGE CAP

EAVES FLASHING

SPECIFICATIONS

This specification is submitted as a guide in the selection and installation of aluminum flashing. Modifications which do not impair quality or workmanship may be made at the discretion of the architect after consultation with, and approval of, Reynolds Metals Company.

All flashing shall be made from mill finished (or embossed) .032" thick (or suitable gauge) aluminum of uniform quality, free from harmful defects and meeting the specification for Reynolds flashing material.

Flashing shall be used at all ridges, valleys, and openings; at all eaves, gables, and wall junctures; at all wall openings including windows and doors; and at all points shown on plans or mentioned in specifications, or as required by good practice.

Flashing shall be fastened by means of aluminum or stainless steel self tapping or sheet metal screws with aluminum backed neoprene washers on 12" to 15" centers.

All flashing surfaces coming in contact with masonry or dissimilar metals shall be coated with aluminum pigmented asphalt paint.

Installation of flashing shall be accomplished in a workmanlike manner in accordance with best accepted building practice.

SPECIFICATIONS

These specifications are submitted as a guide in the selection and application of aluminum industrial roofing and siding. Modifications which do not impair quality or workmanship may be made at the discretion of the architect, after consultation with and approval of Reynolds Metals Company.

RIBBED EMBOSSED SIDING

Work Included. Furnish and apply aluminum ribbed embossed siding as supplied by Reynolds Metals Company. Furnish and apply fasteners and closure flashings as recommended by Reynolds Metals Company. Apply general flashing to comply with specifications of the architect.

Work Not Included But Essential To Application. Furnish and erect supporting structure. Furnish aluminum-pigmented asphalt paint or equivalent and coat all steel and masonry surfaces contacting the aluminum sheets.

Material. Ribbed embossed siding and flashing shall be fabricated from .032" (20 B & S Ga.) nominal thickness aluminum, of uniform quality, and free from harmful defects. The sheets shall be formed into ribs, 4" center to center, 1" deep, and shall provide a nominal coverage width of 32". The siding sheets and flashing accessories shall meet the established specifications of Reynolds Metals Company as to dimensions and workmanship.

Fasteners. Fasteners shall be of a type approved by the Reynolds Metals Company.

General. Handling, storage and application of siding and accessories shall conform to the instructions supplied by Reynolds Metals Company.

35-INCH WIDE INDUSTRIAL CORRUGATED

Work Included. Furnish and apply aluminum industrial corrugated roofing and siding as supplied by Reynolds Metals Company. Furnish and apply fasteners and closure flashings as recommended by Reynolds Metals Company. Apply general flashing to comply with specifications of the architect.

Work Not Included But Essential To Application. Furnish and erect supporting structure. Furnish aluminum-pigmented asphalt

paint or equivalent and coat all steel and masonry surfaces contacting the aluminum sheets.

Material. Industrial corrugated roofing, siding and flashing shall be fabricated from .032" (20 B & S Ga.) nominal thickness aluminum, of uniform quality, and free from harmful defects. Roofing and siding shall be corrugated to 2.677" pitch, 7/8" depth, and nominal coverage width of 32". The roofing and siding sheets and flashing accessories shall meet the established specifications of Reynolds Metals Company as to dimensions and workmanship.

Fasteners. Fasteners shall be of a type approved by the Reynolds Metals Company.

Roof Pitch. For roof slopes up to 30' in length, the minimum rise shall be 3" per foot. For slopes over 30' in length, or with more than three courses of sheets, the minimum rise shall be 4" per foot.

General. Handling, storage and application of roofing, siding and accessories shall conform to the instructions supplied by Reynolds Metals Company.

48-INCH WIDE INDUSTRIAL CORRUGATED

Work Included. Furnish and apply aluminum industrial corrugated roofing and siding as supplied by Reynolds Metals Company. Furnish and apply fasteners and closure flashing as recommended by Reynolds Metals Company. Apply flashing to comply with specifications of the architect.

Work Not Included But Essential to Application. Furnish and erect supporting structure. Furnish aluminum-pigmented asphalt paint or equivalent and coat all steel and masonry surfaces contacting aluminum sheets.

Material. Industrial corrugated roofing, siding and flashing shall be fabricated from .032" (20 B & S Ga.) nominal thickness aluminum, of uniform quality, and free from harmful defects. Roofing and siding shall be corrugated to 2.677" pitch, 7/8" depth, and nominal coverage width of 45 1/2". The roofing and siding sheets and flashing accessories shall meet the established specifications of Reynolds Metals Company as to dimensions and workmanship.

Fasteners. Fasteners shall be of a type approved by the Reynolds Metals Company.

Roof Pitch. For roof slopes up to 30' in length, the minimum rise shall be 3" per foot. For slopes over 30' in length, or with more than three courses of sheets, the minimum rise shall be 4" per foot.

General. Handling, storage and application of roofing, siding and accessories shall conform to the instructions supplied by Reynolds Metals Company.

THE MOST
COMPLETE LINE
OF ALUMINUM
BUILDING
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CORRUGATED ROOFING AND SIDING • NAILS
RIBBED EMBOSSED SIDING • WEATHERBOARD SIDING
WINDOWS • 5-V CRIMP ROOFING AND SIDING
GUTTERS AND DOWNSPOUTS • FLASHING
INDUSTRIAL CORRUGATED • REFLECTIVE INSULATION
COMPLETE ROOFING AND SIDING ACCESSORIES

REYNOLDS METALS COMPANY

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Atlanta, Baltimore, Birmingham, Boston, Charlotte, Chicago, Cincinnati, Cleveland, Columbus, Dallas, Denver, Des Moines, Detroit, Grand Rapids, Houston, Indianapolis, Kansas City, Los Angeles, Louisville, Memphis, Milwaukee, Minneapolis, New Orleans, New York, Phoenix, Pittsburgh, Portland, Richmond, Salt Lake City, San Francisco, Seattle, St. Louis, Tampa.

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